



Flight Report

Operation Ice Bridge Spring 2012

UAF Alaska Flight No 2
Mission Plan: Chugach Range

Flight Report Summary

Aircraft	DHC-3 Otter
Flight Number	DHC3-2
Flight Request	12M014
Flight Hours	4.7
Take off time	13:00:00.00 Z from Palmer
Landing time	17:42:00.00 Z at Palmer
Date	Sat, March 17, 2012
Purpose of Flight	LiDAR surveys of glaciers within the Chugach Range, Alaska.
Aircraft Status	Airworthy.
Sensor Status	operational.
Significant Issues	none.
Accomplishments	<ul style="list-style-type: none">• LiDAR centerline profile of Knik, Matanuska, Tazlina, and Columbia Glaciers.• Conducted one pass over runway at Palmer airport for LiDAR instrument calibration.

Science Data Report Summary

This mission performed LiDAR surveys of glaciers within the Chugach Range, Alaska.

Geographic keywords: (Chugach Range, Alaska)

Repeat Mission: yes

Instrument	Instrument Operational		Data Volume	Instrument Issues
	Target area	Entire Flight		
UAF LiDAR	Yes	YES	1 GB	None
GPS	Yes	YES	50 MB	None
IMU	Yes	Yes	1 GB	None

Mission Log (Chris Larsen)

Weather conditions were near perfect, with no wind or chop, and excellent visibility. Occasionally, fog and low lying clouds obscured the glacier surface.

Individual instruments on board the aircraft:

LiDAR: The UAF LiDAR systems worked well.

GPS: System worked normally. No problems.

IMU: System worked well. No issues.

